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Prepared by Human Nutrition Research Division Agricultural Research Service



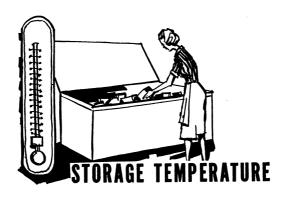
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HOME CARE OF PURCHASED FROZEN FOODS

Protect the quality of the frozen foods you buy. Keep the foods cold enough; use them soon enough.



The most common cause of loss of quality in frozen foods is storage at too high temperatures. Damage accumulates. Severe damage can result from a single exposure to temperature much too high, or from repeated exposures—days or weeks apart—to temperatures only a few degrees too high.

Temperature recommended

A storage temperature of 0° F. or lower is needed to maintain the best quality in frozen foods.

At freezing temperatures above 0° F., both chemical changes and micro-organisms cause foods to lose color, flavor, characteristic texture, and nutritive value.

The rate at which certain chemical reactions take place in frozen foods determines how fast foods lose quality. At 0° F. these reactions are slow; below this temperature they are even slower. As the temperature rises above 0°, the reactions speed up rapidly. At 15°, for example, many of them take place several times as fast as at 0°.

Temperature check

Find out if the storage space you have for frozen foods provides the recommended temperature—or, if not, how close it comes to it. You'll need to know this temperature to help determine how long to store the foods.

Check accurately. Use a thermom-

To check, take the temperature in several locations. Regulate the temperature control to obtain and maintain 0° F. in the warmest spot, if possible.



How long commercially frozen food will retain good quality in the home at 0° F. or lower depends on (1) the kind of food it is, and (2) how long and at what temperature it was stored before you bought it.

The table on the opposite page gives suggested maximum homestorage periods for frozen foods that are of good quality when purchased. Recommended periods are

approximate. They are for foods that have been subject to good commercial freezing, handling, and storage before you purchased them. If there is any question about the quality of the frozen food, reduce the storage time.

If your equipment does not maintain a temperature of 0° F. or lower, plan to hold frozen foods only a few

days before you use them.



Buy from a reputable dealer who will vouch for the quality of his merchandise.

Note the condition of the cabinet—whether it is clean and the way foods are stacked in it. There is a line on the inner side of many cabinets above which food should not be stacked. Select packages only from clean cabinets in which foods are stacked no higher than the proper fill level.

Select foods that are solidly frozen. If food has softened, you can be sure it has already lost quality. Observe the color of foods packaged in

transparent plastic bags. Fruits and vegetables that have a bright natural color will taste better than those with poor color.

Make sure packaging material is not torn, crushed, or juice stained. Frozen food that is exposed or poorly packaged dries out and de-

velops off-flavors quickly.

If you are shopping for numerous groceries, select frozen food last—to shorten the time the food is without refrigeration. During the trip home it's a good idea to protect the food with an insulated bag or a double paper bag.

Suggested Maximum Home-Storage Periods To Maintain Good Quality in Commercially Frozen Foods

Food	Approximate holding period at 0° F.	Food	Approximate holding period at 0° F.		
Fruits and vegetables	*	Meat—Continued			
Fruits:	Months	Cooked meat:	Months		
Cherries	12	Meat dinners	3		
Peaches	12	Meat pie	3		
Raspberries	12	Swiss steak	3		
Strawberries	12	Poultry	-		
Fruit juice concentrates:					
Apple	12	Chicken:			
Grape	12	Cut-up	9		
Orange	12	Livers	3		
Vegetables:		Whole	12		
Asparagus	8	Duck, whole	6		
Beans	8	Goose, whole	- 6		
Cauliflower	8	Turkey:	,		
Com	8	Cut-up	6		
Peas	8	Whole	12		
Spinach	8	Cooked chicken and turkey:			
Baked goods		Chicken or turkey dinners			
		(sliced meat and gravy).	16		
Bread and yeast rolls:	•	Chicken or turkey pies	12		
White bread	3	Fried chicken	4		
Cinnamon rolls	2	Fried chicken dinners	4		
Plain rolls	3	Fish and shellfish			
Cakes:		Fish:			
Angel	2	Fillets:	į.		
Chiffon	9 4	Cod, flounder, had-	·		
Chocolate layer		dock, halibut, pol-			
Fruit	12	lack	6		
Pound	6	Mullet, ocean perch,			
Yellow	3	sea trout, striped			
Danish pastry	3	bass	3		
Doughnuts:	3	Pacific Ocean perch.	2		
Cake type	3	Salmon steaks	2		
Yeast raised	3	Sea trout, dressed	3		
Pies (unbaked):	8	Striped bass, dressed	2 3 3 4		
Apple	8	Whiting, drawn	4		
Boysenberry	8	Sheilfish:			
Cherry	8	Clams, shucked	3		
Peach	•	Crabmeat:			
Meat		Dungeness	3		
Beef:		King	10		
Hamburg or chipped		Oysters, shucked	4		
(thin) steaks	3	Shrimp	12		
Rogsts	12	Cooked fish and shellfish:			
Steaks	12	Fish with cheese sauce	3		
Lamb:		Fish with lemon butter	1 _		
Patties (ground meat)	3	squce	3		
Rogsts	12	Fried fish dinner			
Pork, cured	2	Fried fish sticks, scallops,			
Pork, fresh:		or shrimp	3		
Chops	4	Shrimp creole	3		
Roasts	8	Tuna pie			
Sausage	2	_			
Veal:		Frozen desserts	1		
Cutlets, chops	4	ce cream	1		
Roasts	8	Sherbet	1		



During the transfer from store to home, the temperature of frozen food may rise somewhat. To lower the temperature quickly, place the packages in contact with a refrigerated surface in the freezer or freezing compartment. Leave space on other sides of package for air to circulate. After temperature of the food has been lowered to proper storage temperature, pack containers close together to save space.

Avoid unnecessary opening of freezer doors to help maintain con-

stant freezer temperature.
Store like foods together; place most recently purchased products at the bottom or back. At the same

time move foods that have been in freezer storage longer toward the top or front. Label the packages with the date stored.

It's a good idea to keep a record of the frozen foods that are in storage. One way to do this is to keep an inventory notebook using a separate page for each kind of food. When you put a container into the freezer, enter it in the notebook. Record date of purchase and date by which it should be used. When you take out a container, cross out the entry for it.

Keep this record close to your freezer. Refer to it when you plan purchases and meals.

If you are interested in freezing food at home, the USDA publications listed below will be helpful. Single copies may be obtained by sending your request on a post card to the Office of Information, U.S. Department of Agriculture, Washington, D.C. 20250. Include your ZIP Code with your return address.

II Dansin C Danit 1 37 1.1										er No	
Home Freezing of Fruits and Vegetables			•	•	•	•	•	•	•	GIU	,
Freezing Combination Main Dishes	•	•	•		•		•	•	•	G 40)
Home Freezers—Their Selection and Use			•	•	•	•			•	G 48	3
Home Freezing of Poultry	•	•			•				•	G-70)
Freezing Meat and Fish in the Home										G 92	3



A collection of frost on freezer walls or shelves reduces storage space and makes the freezer inconvenient to use. It may also cause storage temperature to rise several

degrees.

If thin layers of frost are scraped off as they form, complete defrosting of the freezer need be done less frequently. Just move the packages of frozen food to another shelf or side of the freezer so you can scrape

off the frosted surfaces.

Defrost completely before frost reaches a depth of one-half inch over a large area of the refrigerated surfaces. Defrost also whenever frost begins to accumulate on packages that have been stored in the freezer only a few hours. If possible, defrost completely when the amount of food in the freezer is low because all food will have to be removed from the freezer during defrosting.

Follow the manufacturer's general directions for defrosting the type of equipment you have. Some of the following suggestions may help you do the job quickly with the

least damage to the food.

To get the food as cold as possible before defrosting, set the temperature control of the freezer at its lowest setting for a few hours, or overnight. If freezer space can accommodate large cartons, put the food in large cartons during this period. (Food can be left in these cartons after you take it out of the freezer.)

Disconnect the freezer. Remove the food from the freezer. Setting the cold cartons in larger cartons will help keep the food from warming up too fast.

Work fast. Scrape as much of the light frost from the freezer walls or shelves as you can. Placing pans of hot water in the freezer speeds defrosting.

Work at the edges of the ice so you can remove it in chunks as it comes free. Use a thick, flexible spatula or similar tool. Don't use sharp or rigid instruments, which might damage the walls.

When all ice and water have been removed, wipe the surfaces dry.

Close the freezer and connect it. Set the control at its coldest setting. Run the freezer at least 10 minutes before replacing the food; if defrosting has taken over an hour, run the freezer 15 to 20 minutes.

Wipe or scrape each food package quickly to remove any frost or moisture and replace it in the freezer. Run the freezer with the control at its coldest position long enough to be sure the food has been brought down to 0° F. Then turn the control to the position that will maintain this temperature in the warmest location.



If you know or suspect that power will be off in your house, set the freezer control at its coldest setting right away. Lower temperature of freezer and food will delay thawing if power does go off.

If the freezer stops operating because of power outage or any other reason, try to find out how long it

will be inoperative.

If normal operation will not be resumed before the food will thaw, use dry ice to keep the food cold or transfer the food in insulated boxes to a locker plant or other low-temperature storage space. If the trouble is freezer breakdown, your neighbors may have enough space in their freezers to solve your problem.

A fully loaded freezer usually will stay cold enough to keep foods

frozen for a couple of days; in one with half a load, food may not stay frozen for more than a day. If dry ice is put in the freezer soon after it goes off, 50 pounds should keep the temperature of food in a 20-cubic-foot cabinet below freezing for 3 to 4 days; in a cabinet with half a load or less, for 2 or 3 days.

Work quickly when you put in dry ice. Place it on thick cardboard or boards on top of the frozen food or on shelves—not directly on the packages. Handle dry ice with care. Be sure the room is well ventilated when you use it. Never touch dry ice

with bare hands.

Do not open the freezer door while the freezer is not operating except as a part of food-saving procedure.

REFREEZING

Occasionally, foods are partially or completely thawed before it is discovered that the freezer is not operating.

The basis for safety in refreezing foods is the temperature at which thawed foods have been held and the length of time they were held after thawing. You may safely refreeze frozen foods that have thawed if they still contain ice crystals or if they are still cold—about 40° F.—and have been held no longer than 1 or 2 days at refrigerator temperature after thawing.

Even partial thawing and refreezing reduces quality of foods, particularly fruits, vegetables, and prepared foods. The quality of red meats is affected less than that of many other foods. Thawed ground meats, poultry, and fish that have any off-color or off-odor should not be refrozen. Melted ice cream should not be used.

Foods that have been frozen and thawed require the same care as foods that have not been frozen. Use refrozen foods as soon as possible to save as much of their eating quality as you can.